hydrochloride, 7β-[2-(2-aminothiazol-4-yl)-2-(Z)-hydroxyiminoacetamido]-3-N,N-dimethylcarbamoyloxymethyl-3-cephem-carboxylic acid 1-(isopropoxycarbonyloxy)ethyl ester hydrochloride, (E)-3-(2-methoxy-3,6-dimethyl-1,4-benzoquinone-5-yl)-2-[5-(3-pyridyl)pentyl]-2-propenic acid, aminophylline, theophylline, diphenhydramine, metaclopramide, phenylbutazone, phenobarbital, ampicillin, cimetidine, famotidine, nizatidine, acetaminophen, epirizole, pyrazinamide, caffeine, ethionamide, carvedilol, ranitidine hydrochloride, roxatidine acetate hydrochloride, imipramine hydrochloride, ephedrine hydrochloride, diphenhydramine hydrochloride, tetracycline hydrochloride, doxycycline hydrochloride, naphazoline hydrochloride, noscapine hydrochloride, papaverine hydrochloride, dextrhomethorphan hydrochloride, timepidium bromide, chlorphenilammonium maleate, alimemazine tartrate, pilsicainide hydrochloride, N-methylscopolamine methylsulfate, cinepazide maleate, arginine hydrochloride, histidine hydrochloride, lysine hydrochloride, lysine acetate, clopidogrel sulfate; crude drugs or

extracts thereof; pyrridon carboxylic acid compounds represented by formulas (1) through

(4) and salts thereof:

Alt

$$R^{3a}$$
 $Y^{a}$ 
 $R^{4a}$ 
 $R^{1a}$ 
 $R^{1a}$ 
 $R^{1a}$ 
 $R^{1a}$ 
 $R^{1a}$ 
 $R^{1a}$ 

$$R^{3c}$$
 $R^{2c}$ 
 $R^{3c}$ 
 $R^{4c}$ 
 $R^{1c}$ 
 $R^{1c}$ 
 $R^{2c}$ 
 $R$ 

$$R^{3d}$$
 $COOH$ 
 $R^{5d}$ 
 $R^{5d}$ 
 $R^{5d}$ 
 $R^{5d}$ 

wherein each of R<sup>1a</sup>, R<sup>1b</sup>, and R<sup>1c</sup> represent a C1-C6 linear or branched alkyl group which may have a substituent, a C3-C6 cyclic alkyl group which may have a substituent, an aryl group which may have a substituent, or a heteroaryl group which may have a substituent;

each of R<sup>2a</sup>, R<sup>2b</sup>, R<sup>2c</sup>, and R<sup>2d</sup> represents a hydrogen atom or a C1-C6 linear or branched alkyl group which may have a substituent; or an amino group each of R<sup>3a</sup>, R<sup>3b</sup>, R<sup>3c</sup>, and R<sup>3d</sup> represents a hydrogen atom or a halogen atom; R<sup>4a</sup> or R<sup>4c</sup> represents a hydrogen atom, a halogen atom, a C1-C6 linear or branched alkyl group which may have substituent; or a C1-C6 linear or branched alkoxyl group which may have a substituent;

R<sup>5d</sup> represents a hydrogen atom or a C1-C6 linear or branched alkyl group which may have a substituent; and

each of Ya, Yb, Yc, and Yd represents a nitrogen-containing group).